

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Stephen Hahn

Stanley Bower, Jr. Kevin Carlstrom Donald Lewis

Serial No.: 09/681,874

Filed

חור גונו מססב

06/20/01

Title:

System and Method for Controlling Catalyst Storage

Capacity

1 64 8 24.4

Docket No.: 200-1281

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Form 1449A/PTO are submitted herewith pursuant to the provisions of 37 CFR 1.97 and 1.98(a) as a means of complying with the requirements of 37 CFR 1.56 with respect to the above identified application. In accordance with Patent Office guidelines, copies of the citations listed on the attached form are enclosed.

Applicant(s) would like to make the Examiner aware of the following co-pending application(s) filed on the same day by the same assignee and having common inventor(s) as in the subject application. Applicant(s) do not believe the co-pending application(s) constitute prior art.

Attorney Docket No.: 200-1278
Serial No. 09/681,870
Filing Date 06/20/01

Title: System and Method for Adjusting Air-Fuel Ratio

Attorney Docket No.: 200-1279
Serial No. 09/681,872
Filing Date 06/20/01

Title: System and Method for Determining Target Oxygen Storage In an Automotive Catalyst

Attorney Docket No.: 200-1280 Serial No. 09/681,873 Filing Date 06/20/01

Title: System and Method for Determining Set Point Location For Oxidant-Based Engine Air/Fuel Control Strategy

Attorney Docket No.: 200-1282 Serial No. . 09/681,875 Filing Date . 06/20/01

Title: System and Method for Estimating Oxidant Storage

Of a Catalyst

Attorney Docket No.: 200-1283 Serial No. 09/681,876 Filing Date 06/20/01

Title: System and Method Controlling Engine Based on

Predicated Engine Operating Conditions

Respectfully submitted,

John D. Russell

Attorney for Applicant(s)

Reg. No. 47,048

Telephone: 1-313-8451008

Date: 07-03-0/

| Substitute for form 1449A/PTO                 | Complete if Known      |                                    |  |
|---|------------------------|------------------------------------|--|
| INFORMATION DISCLOSURE                        | Application Number     | Tobo assigned 09/68/874            |  |
| STATEMENT BY APPLICANT                        | Filing Date            | Herewith 16-20-01                  |  |
| / ^ ^)  | Applicants             | Lewis, Carlstrom, Bower, Jr., Hahn |  |
| (use as many sheets as necessary)JUL 1 0 2001 | Group Art Unit         |                                    |  |
|   | Examiner Name          |                                    |  |
| Sheet 1 of 2                                  | Attorney Docket Number | 200-1281                           |  |
| U.S.  | PATENT DOCUMENTS       |                                    |  |

|                                       |  |                     |  | U.S.                           | PATENT DOCUME            | NTS |                  |   |                |
|---------------------------------------|--|---------------------|--|--------------------------------|--------------------------|-----|------------------|---|----------------|
| EXAMINER<br>INITIAL*                  | Cite<br>No. 1                                    | DOCUMENT<br>NUMBER  | Kind Code <sup>2</sup> (if known)                |                                | NAME                     |     | DATE<br>MM-DD-YY | Pages, Columns, Lines,<br>Where Relevant Passages or R<br>Figures Appear        | elevant        |
|                                       |  | 5848528             |  | Liu                            | <del></del>              | 12  | 2-15-98          | rigures Appear  |                |
|                                       |  | 5857163             |  | Trom                           | bley et al.              | 01  | 1-05-99          |   |                |
|                                       | † –  | 5784880             | <del>                                     </del> | Toshi                          | ro et al.                | 07  | 7-28-98          |   |                |
| <u>-</u>                              | <del>                                     </del> | 5881552             |  | Iwata et al.                   | 03-16-99<br>04-20-99     |     |                  |   |                |
|                                       | +  | 5894724             |  | Minowa et al.                  |                          |     |                  |   |                |
|                                       | <u> </u>   |                     | _  |                                | Williowa et al. 04-20-55 |     |                  | 1   |                |
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| ,                                     |  | Foreign Patent Docu | ıment  | OREIGI                         | N PATENT DOCUM           | ENI | <u>s</u>         | <del> </del>  | <u> </u>       |
| EXAMINER<br>INITIAL*                  | Cite<br>No. 1                                    |                     | Kir  | nd Code <sup>5</sup><br>known) | NAME                     |     | DATE<br>MM-DD-YY | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear | T <sup>®</sup> |
|                                       |  | SAE 80              | 0052   |                                | E                        |     |                  | -   |                |
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**EXAMINER** 

DATE CONSIDERED

<sup>\*</sup>Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

| Substitut for form 1449A/PTO                  |       |  |                | Complete if Known      |                                    |  |
|---|-------|--|----------------|------------------------|------------------------------------|--|
| INFORMA                                       |       |  |                | Application Number     | To be assigned 09/62/674           |  |
| STATEMI                                       | ENT B | y applik                               | MAC            | Filing Date            | Herewith 06 - 30 - 01              |  |
|   |       | /                                      | , (2)          | Applicants             | Lewis, Carlstrom, Bow r, Jr., Hahn |  |
| (use as many sheets as necessary)JUL 1 0 2001 |       |  | 1 0 2001       | Group Art Unit         |                                    |  |
|   |       | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |                | Examiner Name          |                                    |  |
| Sheet   | 2     | of A                                   | 2<br>ADEMARKOT | Attorney Docket Number | 200-1281                           |  |
|   |       | TR                                     | ADEMARK        | •                      | •                                  |  |

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS **EXAMINER** Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the INITIAL\* No. 1 item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published JAMES C. PEYTON JONES, J. BRIAN ROBERTS, PIERRE BERNARD AND RICHARD A. 1. JACKSON; A Simplified Model for the Dynamics of a Three-Way Catalytic Converter: Reprinted from: Exhaust Aftertreatment Modeling and Gasoline Direct Injection Aftertreatment (SP-1533) SAE International Technical Paper Series, Warrendale, Pennsylvania, USA 2. SAE 800052 Air-Fuel Control to reduce emissions, II. Engine-catalyst characterization under cyclic conditions; Wei-Ming Wang; Congress and Exposition, Cobo Hall, Detroit, MI, 2/25-29

EXAMINER DATE CONSIDERED

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